



MATERIAL SAFETY DATA SHEET

Manville

No.: 3759 Rev. No.: 2
Date Revised: 04/09/85

NFPA FIRE HAZARD SYMBOL
See NFPA 704 for detailed explanation.

I. PRODUCT IDENTIFICATION

Trade Name(s): MICRO-AIRE DUCT INSULATION

Generic Name: FIBROUS GLASS INSULATION - Duct

Chemical Name: NA

CAS #: NA

Formula: MIXTURE

Manufacturer: MANVILLE BUILDING MATERIALS CORP.

Address: P.O. BOX 5108

City: DENVER

State: CO

Zip: 80217

Telephone: (303)978-3120

Emergency:

II. PRODUCT INGREDIENTS

| INGREDIENT NAME | CAS NUMBER | % | PEL and TLV (except as noted) |
|--------------------------------|------------|----|----------------------------------|
| FIBROUS GLASS | 65997-17-3 | 89 | 5mg/m ³ - NUISANCE |
| PHENOLFORMALDEHYDE RESIN-CURED | 25104-55-6 | 11 | RESPIRABLE DUST (OSHA) |

III. PHYSICAL DATA

Appearance and Odor: DENSE RIGID FIBROUS GLASS BOARD OR ROUND DUCT - REINFORCED FOIL FACING - NO ODOR.

Boiling Point: NA

Vapor Pressure: NA

Water Solubility (%): NIL

Vapor Density (Air=1): NA

Evaporation Rate (= 1): NA

Specific Gravity (water = 1): VAR

Melting Point: >1300° F

% Volatile by Volume: NA

IV. FIRE AND EXPLOSION DATA

Flash Point (Method): NA

Flammable Limits: LEL: % UEL: NA %

NFPA Flammable/Combustible Liquid Classification: NA

Auto-Ignition Temperature: NA

Extinguishing Media: CO₂, WATER, WATER FOG, DRY CHEMICAL ABC RATED.

Unusual Fire or Explosion Hazards: RESIN AND PAPER OR PLASTIC FACINGS WILL BURN CAUSING DENSE ACRID SMOKE.

Special Fire-Fighting Procedures: USE SELF-CONTAINED BREATHING APPARATUS.

V. HEALTH HAZARDS A. Summary/Risks

Summary: CURRENT ANIMAL AND EPIDEMIOLOGICAL STUDIES INDICATE THAT GLASS FIBERS AND DUST DO NOT REPRESENT A HAZARD TO HEALTH.

THIS PRODUCT IS NOT CONSIDERED A CARCINOGEN.

Medical conditions which may be aggravated: PRE-EXISTING UPPER RESPIRATORY AND LUNG DISEASES SUCH AS, BUT NOT LIMITED TO, BRONCHITIS, EMPHYSEMA AND ASTHMA.

Target Organ(s): LUNGS & SKIN.

Acute Health Effects: IRRITATION TO SKIN AND UPPER RESPIRATORY SYSTEM.

Chronic Health Effects: NO LONG TERM EFFECTS HAVE BEEN IDENTIFIED.

Primary Entry Route(s): INHALATION, SKIN CONTACT.

CEP - mechanical - Maint - office - Const Elec - gpauncy Building

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V. HEALTH HAZARDS B. Signs/Symptoms of Overexposure

Inhalation: IRRITATION OR TICKLE IN THROAT AND NOSE.

Skin Contact: TEMPORARY IRRITATION OR RASH.

Skin Absorption: NA

Ingestion: NOT HAZARDOUS WHEN INGESTED. MAY CAUSE TEMPORARY IRRITATION TO GI TRACT.

Eyes: TEMPORARY IRRITATION OR INFLAMMATION.

V. HEALTH HAZARDS C. First Aid/Emergency Procedures

Inhalation: REMOVE TO FRESH AIR. DRINK WATER TO CLEAR THROAT AND BLOW NOSE.

Skin Contact: WASH EXPOSED AREAS GENTLY WITH SOAP AND WARM WATER.

Skin Absorption: NA

Ingestion: NA

Eyes: FLUSH EYES WITH COPIOUS QUANTITIES OF WATER A MINIMUM OF 15 MINUTES. IF IRRITATION PERSISTS CONSULT A PHYSICIAN.

VI. REACTIVITY DATA

MATERIAL IS STABLE.

HAZARDOUS POLYMERIZATION CANNOT OCCUR.

Chemical Incompatibilities: HYDROFLUORIC ACID.

Conditions to Avoid: NONE IN DESIGNED USE.

Hazardous Decomposition Products: CARBON DIOXIDE, CARBON MONOXIDE, CARBON PARTICULATE & TRACES OF HYDROGEN CYANIDE DERIVED FROM PYROLYSIS OF THE RESIN AS IS TYPICAL OF DECOMPOSITION OF ANY ORGANIC CHEMICAL.

VII. SPILL OR LEAK PROCEDURES

Procedures for Spill/Leak: VACUUM CLEAN DUST. IF SWEEPING IS NECESSARY USE A DUST SUPPRESSANT.

Waste Management: WASTES GENERATED DURING APPLICATION, DEMOLITION, BREAKAGE OR SPILLAGE ARE NOT HAZARDOUS WASTES AS DEFINED BY RCRA (40 CFR PART 261). COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS. METHOD OF DISPOSAL-LANDFILL. RQ - N/A.

VIII. SPECIAL PROTECTION INFORMATION

Goggles: GOGGLES OR FACE SHIELDS ARE RECOMMENDED PARTICULARLY WHEN WORKING OVERHEAD.

Gloves:

Respirator: USE A MASK SUCH AS 3M 8710 OR EQUIVALENT FOR PROTECTION AGAINST NUISANCE DUST. INSURE PROPER FIT.

Ventilation: USE SUFFICIENT NATURAL OR MECHANICAL VENTILATION TO MAINTAIN AIRBORNE CONCENTRATIONS BELOW PEL (TLV).

Other: WEAR LOOSE FITTING, LONG SLEEVED CLOTHING.

Special Considerations for repair/maintenance of contaminated equipment:

IX. SPECIAL PRECAUTIONS

Storage Segregation Hazard Classes: IRRITANT

*** ALWAYS SEGREGATE MATERIALS BY MAJOR HAZARD CLASS ***

Special Handling/Storage: KEEP MATERIAL DRY

Special Workplace Engineering Controls: NOT NORMALLY REQUIRED.

Other:

Prepared/Revised by: KENNETH A. ROBERTS

Title: MGR., ENVIRONMENTAL SERVICES

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